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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/030,242	10/22/2001	Nicolaas Van Der Blom	NVB1-BQ16	8832

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EXAMINER

LOPEZ, FRANK D

ART UNIT	PAPER NUMBER
3745	

DATE MAILED: 08/06/2003

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/030,242	VAN DER BLOM, NICOLAAS
	Examiner	Art Unit
	F. Daniel Lopez	3745

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on _____ .

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-54 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) _____ is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) 1-54 are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____ .
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ .
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>2</u> .	6) <input type="checkbox"/> Other: _____ .

Election/Restrictions

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows: species I is the seal shown in fig 3A-3C, and species II is the seal shown in fig 4A-4F, species III is the seal shown in fig 5A-5E, species IV is the seal shown in fig 5F-5H, species V is the seal shown in fig 6A-6C, species VI is the seal shown in fig 6D-6F, species VII is the seal shown in fig 7A-7E, species VIII is the seal shown in fig 7A-7C and 7F-J; species IX is the seal shown in fig 7A-7C and 7K-7L, species X is the seal shown in fig 7A-7C and 7M, species XI is the seal shown in fig 8A-8C, species XII is the seal shown in fig 9A-9C, species XIII is the seal shown in fig 9A and 9D, species XIV is the seal shown in fig 10A-3C, species XV is the seal shown in fig 11A-11C, species XVI is the seal shown in fig 12A-12C, species XVII is the seal shown in fig 13A-13D, and species XVIII is the seal shown in fig 14.,

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner: claims 18, 19 and 32 are specific to species XIV, claims 25-27 are specific to species II; and claim 34 is specific to species XVII.

The following claim(s) are generic: claims 1-4, 40-54 are generic to all species; claims 5-8 are generic to species I, III and IV; claims 9-11, 13, 28 and 31 are generic to species XI, XII, XIII, XIV, XV and XVI; claims 12 is generic to species XI, XII, XIII, XIV

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and XV; claims 14 is generic to species XII, and XIII, claims 15 is generic to species XII, XIII, XV and XVI; claims 16 and 17 are generic to species XII, XIII and XV, claims 20-24 are generic to species VII-X and claims 29 and 30 are generic to species V and VI, and claims 33 and 35-38 are generic to species XVII and XVIII.

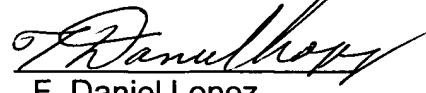
The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons: the common technical features of the species, as claimed in claim 1-4, and 40-54, are not special, since they are disclosed in at least one of the references cited in the case (including GB 2,023,715 and GB 2,070,731). Claim 53 is suggested by Strubin, which discloses that a combustion chamber is separate from and connected to the chamber containing the piston; but one of ordinary skill in this art would recognize that the combustion chamber and the piston chamber can be combined into one chamber. Claim 54 is suggested by Langas, which discloses a pneumatic piston cylinder device, but one of ordinary skill in this art would recognize that a crank could be driven by the piston; since cranks are well known to be driven by pistons, to turn linear motion into rotary motion.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan Lopez whose telephone number is (703) 308-0008. The examiner can normally be reached on Monday-Thursday from 6:30 AM -4:00 PM. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Look, can be reached on (703) 308-1044. The fax number for this group is (703) 872-9302. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0861.



F. Daniel Lopez
Primary Examiner
Art Unit 3745
July 23, 2003